In the Claims

- 1. (Currently Amended) A metallization stack in an integrated MEMS device, the metallization stack comprising:
 - a substrate having an electrically conductive structure;
 - a field oxide, having a contact hole therein, formed over said substrate;
 - a silicide layer formed in said contact hole of said field oxide;
- a titanium-tungsten layer, formed directly on said silicide layer, to operatively contact said electrically conductive structure in said substrate; and

an integral platinum layer;

said <u>integral</u> platinum layer having a first portion formed directly on said titanium-tungsten layer;

said <u>integral</u> platinum layer having a second portion formed directly on said field oxide; said silicide layer, said titanium-tungsten layer, and said <u>integral</u> platinum layer, together, forming an electrical connection to said electrically conductive structure.

- 2. (Previously Amended) The metallization stack of claim 1, wherein said electrically conductive structure is an active silicon element.
- 3. (Previously Amended) The metallization stack of claim 2, wherein said contact hole exposes a portion of a surface of said substrate at a bottom of said contact hole and said silicide layer is formed only on the exposed portion of the surface of said substrate.

Claim 4 (Cancelled)

5. (Previously Amended) The metallization stack of claim 1, wherein the integrated MEMS device is an optical MEMS.

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- 6. (Previously Amended) The metallization stack of claim 1, wherein the integrated MEMS device is a Bio-MEMS device.
- 7. (Currently Amended) The metallization stack of claim 6, wherein said <u>integral</u> platinum layer forms a corrosive resistant electrode.
- 8. (Previously Amended) The metallization stack of claim 7, wherein said electrically conductive structure is an interconnect of the Bio-MEMS device.

Claims 9-29 (Cancelled)

30. (Previously Presented) The metallization stack of claim 1, wherein said silicide layer is a platinum silicide layer.

Claim 31 (Cancelled)

- 32. (Currently Amended) A metallization stack in an integrated MEMS device, the metallization stack comprising:
 - a substrate having an electrically conductive structure;
 - a field oxide formed over said substrate;
 - a silicide layer formed on said field oxide;
- a titanium-tungsten layer, formed directly on said silicide layer, to operatively contact said electrically conductive structure in said substrate; and
 - an integral platinum layer;
- said <u>integral</u> platinum layer having a first portion formed directly on said titanium-tungsten layer;
 - said integral platinum layer having a second portion formed directly on said field oxide.

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33. (Previously Presented) The metallization stack of claim 32, wherein said electrically conductive structure is an active silicon element.

Claim 34 (Cancelled)

- 35. (Previously Presented) The metallization stack of claim 32, wherein the integrated MEMS device is an optical MEMS.
- 36. (Previously Presented) The metallization stack of claim 32, wherein the integrated MEMS device is a Bio-MEMS device.
- 37. (Currently Presented) The metallization stack of claim 36, wherein said <u>integral</u> platinum layer forms a corrosive resistant electrode.
- 38. (Previously Presented) The metallization stack of claim 37, wherein said electrically conductive structure is an interconnect of the Bio-MEMS device.
- 39. (Previously Presented) The metallization stack of claim 32, wherein said silicide layer is a platinum silicide layer.

Claims 40-62 (Cancelled)